

1. A primer coating composition comprising an alkoxy group-containing organic copolymer comprising (I) a UV-absorbing benzotriazole based vinyl monomer, (II) an alkoxysilyl group-containing vinyl monomer, and (III) another copolymerizable monomer, the alkoxysilyl group-containing vinyl monomer accounting for 0.1 to 50% by weight of the copolymer.

2. The primer coating composition of claim 1, further comprising 0.1 to 10 parts by weight of a photo-stabilizer having at least one cyclic hindered amine structure in a molecule, per 100 parts by weight of said organic copolymer.

3. The primer coating composition of claim 2 wherein said copolymer contains 0.1 to 10% by weight of an acrylic monomer having a cyclic hindered amine base photo-stabilizing group as the other monomer (III).

4. The primer coating composition of claim 1, further comprising 0.1 to 50 parts by weight of a compound containing a nitrogen atom and an alkoxysilyl group in one molecule, per 100 parts by weight of said organic copolymer.

5. The primer coating composition of claim 4 wherein the compound containing a nitrogen atom and an alkoxysilyl group in

one molecule is a compound containing at least one nitrogen atom and at least two alkoxysilyl groups in one molecule.

6. A method for coating a plastic substrate with a weather and abrasion-resistant coating, comprising the steps of:

(i) applying an organic solvent solution of the primer coating composition of any one of claims 1 to 4 onto a plastic substrate,

(ii) evaporating the organic solvent and curing the primer coating,

(iii) applying an organopolysiloxane composition onto the primer coat, said organopolysiloxane composition comprising a hydrolyzate or co-hydrolyzate of an organoxysilane of the following general formula (D):



wherein R^{14} is selected from the class consisting of a alkyl group, aryl group, halogenated alkyl group, halogenated aryl group and alkenyl group of 1 to 10 carbon atoms, and an organic group having an epoxy, (meth)acryloxy, mercapto, amino or cyano group, R^{15} is hydrogen or an organic group of 1 to 10 carbon atoms, and x is equal to 0, 1 or 2, and

(iv) heating the coating of the organopolysiloxane composition for curing.

7. The method of claim 6 wherein said organopolysiloxane composition further contains colloidal silica.

8. The method of claim 6 wherein the plastic substrate is comprised of a polycarbonate resin.

9. The method of claim 8 wherein the polycarbonate resin is transparent.